

ABSTRACT

A system for prevention of tampering with signal conditioning circuitry. In accordance with this invention a host system remote from the signal conditioner periodically transmits a request for authentication information to the signal conditioner.

- 10 The signal conditioning circuitry receives the request and transmits authentication information back to the host system. The host system receives the authentication information from the signal conditioning circuitry and stores the authentication information in memory to provide an audit trail.